



航空学报 » 1994, Vol. 15 » Issue (9) :1077-1080 DOI:

论文

最新目录 | 下期目录 | 过刊浏览 | 高级检索

<< [an error occurred while processing this directive] | [an error occurred while processing this directive] >>

飞机总体参数与作战效能的关系研究

王和平

西北工业大学飞机设计教研室,西安,710072

STUDY OF THE RELATIONSHIP BETWEEN AIRCRAFT CONFIGURATION PARAMETERS AND COMBAT EFFECTIVENESS

Wang Heping

Faculty 502, Northwestern Polytechnical University, Xi'an, 710072

摘要

参考文献

相关文章

Download: PDF (342KB) HTML OKB Export: BibTeX or EndNote (RIS) Supporting Info

摘要 用计算机辅助飞机设计程序研究了飞机总体参数与作战效能的关系,并在选定的约束条件下对作战效能进行了优化设计和参数敏感性分析。研究表明,如起飞重量一定,则靠飞机性能的改善仅能使作战效能提高20%~30%,而装备先进雷达和中程导弹可使作战效能提高150%以上。

关键词: 飞机性能 作战效能 最优化 计算机程序

Abstract: The relationship between aircraft configuration parameters and combat effectiveness is investigated by means of a computer aided aircraft design program developed in our university, The optimization and the analysis of combat effectiveness are made under the selected constraints, The study shows that when the take-off weight of aircraft is constant, only 20%~30% of improvement of aircraft combat effectiveness can be made by performance improvement, while more than 150% of combat effectiveness improvement can be achieved by using advanced radar and missile.

Keywords: aircraft performances combat-effectiveness optimization.computer programs

Received 1993-07-20; published 1994-09-25

引用本文:

王和平. 飞机总体参数与作战效能的关系研究[J]. 航空学报, 1994, 15(9): 1077-1080.

Wang Heping. STUDY OF THE RELATIONSHIP BETWEEN AIRCRAFT CONFIGURATION PARAMETERS AND COMBAT EFFECTIVENESS[J]. Acta Aeronautica et Astronautica Sinica, 1994, 15(9): 1077-1080.

Service

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ Email Alert
- ▶ RSS

作者相关文章

- ▶ 王和平